FIG.1A

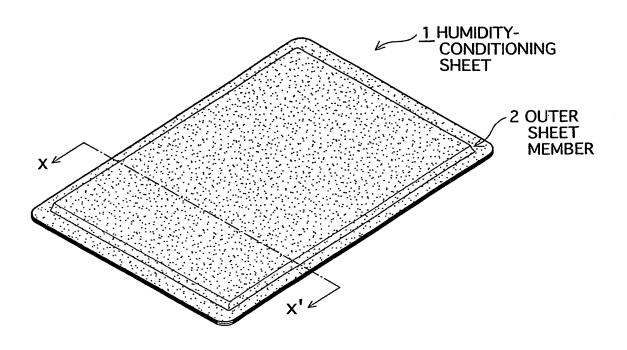
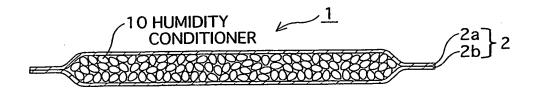
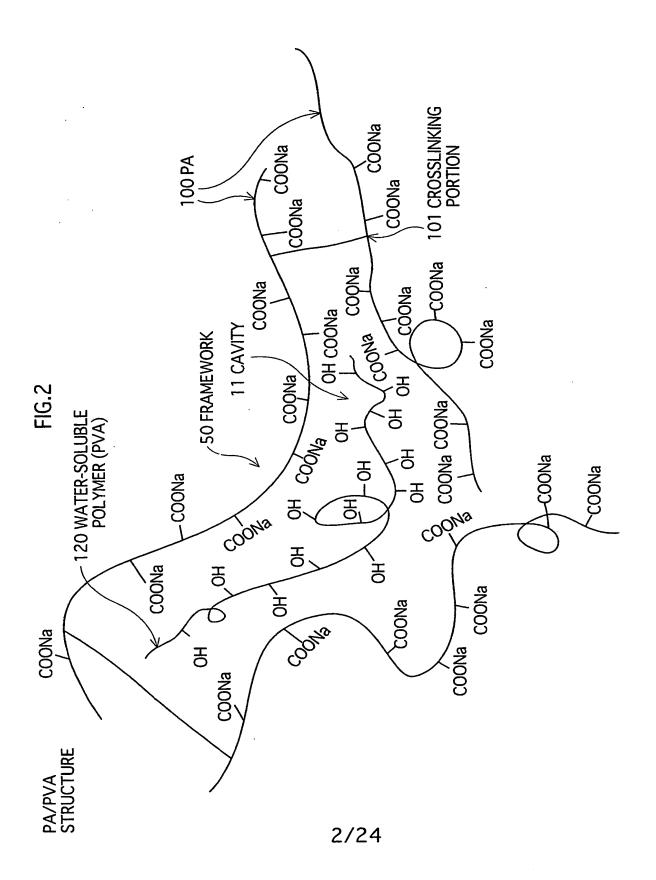


FIG.1B



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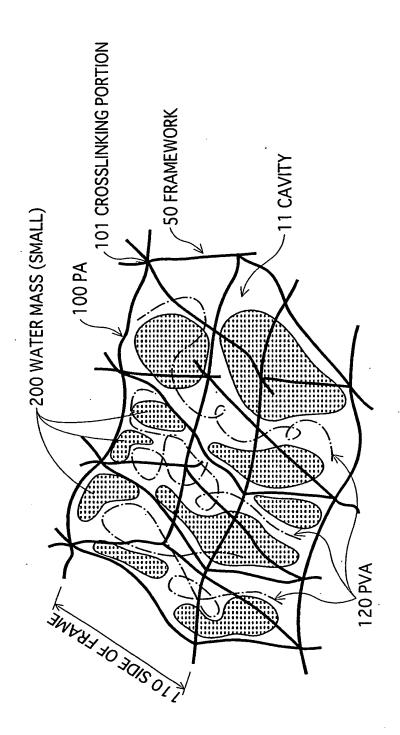
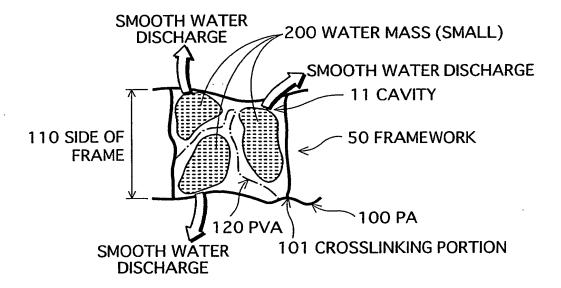


FIG.4



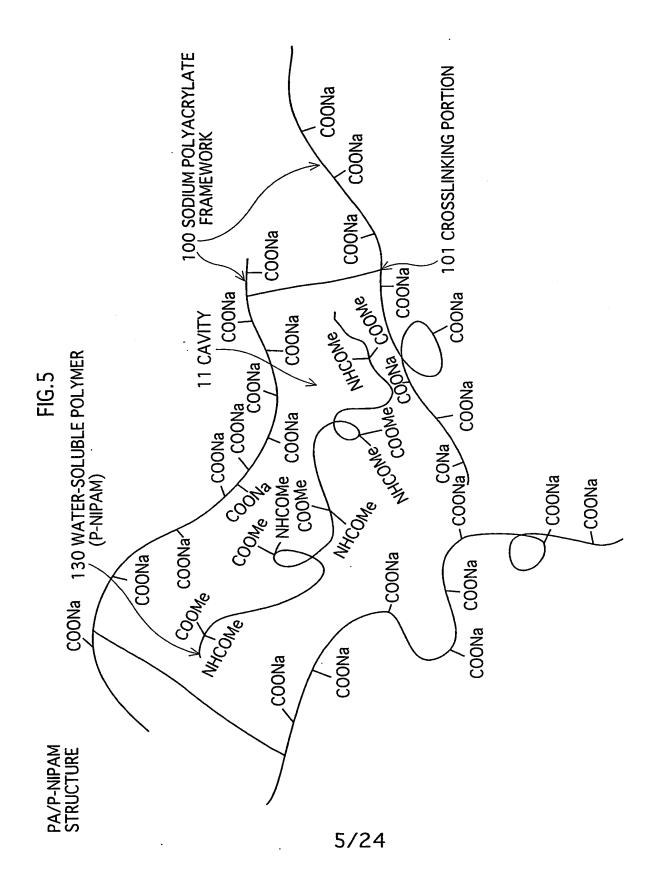


FIG.6

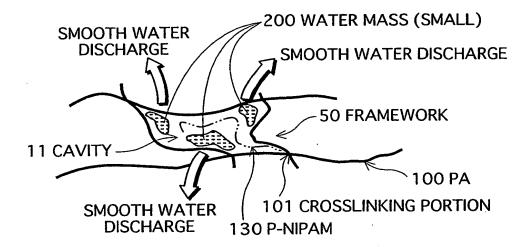


FIG.7

Changes in Weight (g) after Filtration

	183	55.61	56.14	55.95	56.12	56.95
	159	56.25	56.8 56.14	55.97	56.14	56.95
	134	60.86	59.98	59.18 55.97 55.95	59.29	58.15
	110 134	66.04	63.59	62.38	62.76	60.85
/	6	68.78		64.84	65.26	96.29
/ wood / 1100 / 1100 /	86	71.89	69.14	67.92	69.25	90.99
	74	76.19	72.43	71.72	72.7	70.08
	29	79.19	75.55	74.58	75.69	73.08
	22	92.36 87.43 79.19 76.19 71.89 68.78 66.04 60.86 56.25 55.61	0.2 84.82 75.55 72.43 69.14 65.9	94.82 89.39 84.27 74.58 71.72 67.92 64.84 62.38	1.57 86.14 75.69 72.7 69.25 65.26 62.76 59.29 56.14 56.12	56.82 94.06 88.75 83.19 73.08 70.08 66.06 62.96 60.85 58.15 56.95 56.95
	13	92.36	90.2	89.39	91.57	88.75
	0	96.76	94.78	94.82	96.21	94.06
	Tare Weight	55.5	56.01	55.82	56.0	56.82
	Sample	Α	В	၁	O	ш
_				-		

FIG.8

0.12 0.13 183 0.15 0.14 0.13 159 5.36 3.36 1.33 3.29 134 3.97 10.54 6.56 92.9 7.58 4.03 13.28 9.26 6.14 9.83 9.02 95 Elapsed Time (hour 13.13 13.25 6.39 9.24 12.1 98 13.26 20.69 16.42 15.9 16.7 74 18.76 19.54 16.26 23.69 19.69 62 31.93 28.45 30.14 26.37 28.81 34.19 36.86 31.93 35.57 33.57 ന 42.46 37.24 38.77 39.0 0 Sample ⋖ 8 ш

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Amount of Weight Change (g)

6.91

Changes in Weight (g) after Filtration

			Elap:	Elapsed Time (hour)	our)		
Sample	Tare Weight	0	6	46	09	94	118
×	52.5	126.89	120.71	120.71 107.16 102.59 93.35	102.59	93.35	89.98
>-	55.83	120.89	116.9	116.9 104.19	99.32	6.78	81.24

<u>-1G.10</u>

31.18 25.41 118 37.85 32.07 94 47.09 43.49 Elapsed Time (hour) 9 48.36 51.66 46 61.07 65.21 တ 71.39 65.06 Sample >-

Amount of Weight Change (g)

<u>-16.11</u>

Changes in Weight (g) after Filtration

2	3	Elapsed Time (hour)	r)
Sample	Tare Weight	0	32
×	56.82	59.73	57.18
λ	99	28.09	56.74

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FIG. 12

 Amount of Weight Change (g)

 Sample
 Elapsed Time (hour)

 x
 2.91
 0.36

 y
 4.37
 0.74

FIG. 13

Amount of Water Absorption after Drying Period of 35 Hours

L	Cample		Amount of	Amount of Water and Elapsed Time (hour)	ime (hour)	
13/	Jainpie	Water added	Absorption condition	1-hour later	Additional water	Absorption condition
24	×	10 mL	70% absorbed	95% absorbed	10 mL	No absorption
	У	10 mL	100% absorbed	_	10 mL	90% absorbed

FIG. 14

90% absorbed 95% absorbed 1-hour later Amount of Water and Elapsed Time (hour) Amount of Water Absorption after Drying Period of 1 Week 20-30% absorbed 80% absorbed 20-min later Water added 10 mL 10 mL Sample > ×

nearly 100% absorbed

50% absorbed

5 mL

×

95% absorbed

80% absorbed

5 mL

FIG. 15

30-min later Amount of Water and Elapsed Time (hour) Amount of Water Absorption after Drying Period of 1 Month 20-min later Water added Sample

1	5	12	4

-1G.16

Changes in Weight (g) after Filtration

				Elapsed Time (hour)	me (hour)			
Sample	Tare Weight	0	18	19	50	21	69	90
В	52.92		56.12	56.12 56.07 55.97 55.87	55.97	55.87		53.65
q	54.32	57.06					55.1	
U	52.76		54.56	54.5	54.5 54.43 54.37	54.37		53.55
ر,	54.24	54.24 56.25		-			54.72	
р	53.1		54.05	54.05 53.99 53.93	53.93	53.87		53.56
Э	53.56		8.73	57.7	57.47	57.24		54.93

FIG. 17

Amount of Weight Change (g)

	Elaps	Elapsed Time (hour)	hour)		
0 18	19	20	21	69	06
3.2	3.15	3.05	2.95		0.73
2.74				82.0	
1.8	1.74	1.67	1.61		0.79
2.01				0.48	
0.95	 0.89	0.83	0.77		0.46
4.24	 4.14	3.91	3.68		1.37

FIG. 18

Amount of Water Absorption after Dried

				Elapsed 7	Elapsed Time (hour)	ır)				
Sample	20-min after 5 mL water added	Immediately after water absorption	_	2	3	4	2	9	24	42
а	70% absorbed	57.5	57.32	57.21	57.07	56.94	56.86	56.78	55.04	53.83
q	70% absorbed	58.41	58.26	58.18	58.08	57.93	57.83	57.74	56.21	52.05
S	50% absorbed	29'95	56.47	56.4	56.29	56.15	56.07	55.98	54.34	53.48
ູ້ບ	70% absorbed	63.73	63.52	63.38	63.18	62.95	62.77	62.57	59.79	56.75
p	60% absorbed	57.43	57.24	57.12	57.01	56.88	56.79	56.68	52.05	53.64
Ф	70% absorbed	59.04	58.85	58.65	58.46	58.28	58.14	58.03	55.91	54.73

-1G.19

Amount of Weight Change (g)

0.73 0.72 0.54 2.51 0.91 2.12 1.89 1.58 5.55 1.95 2.35 Elapsed Time (hour) 3.86 3.58 3.42 3.22 8.33 4.47 9 4.09 4.58 3.89 9.49 4.33 5.48 0 Sample B Ω Φ 7

FIG.20

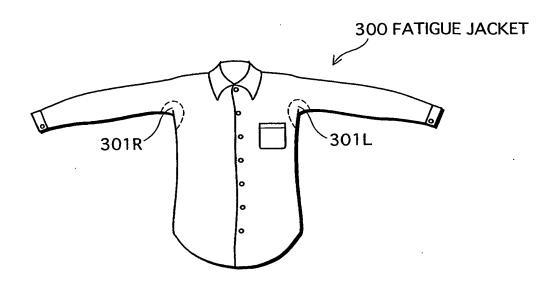
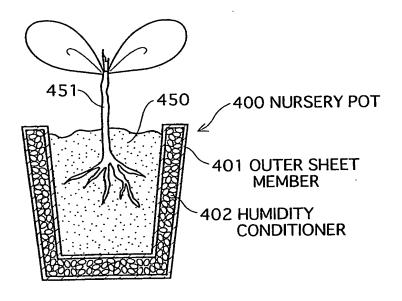


FIG.21



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FIG.22

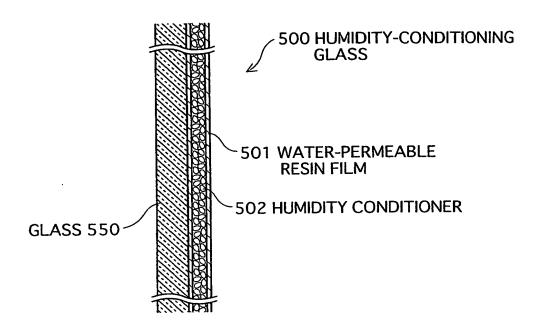


FIG.23

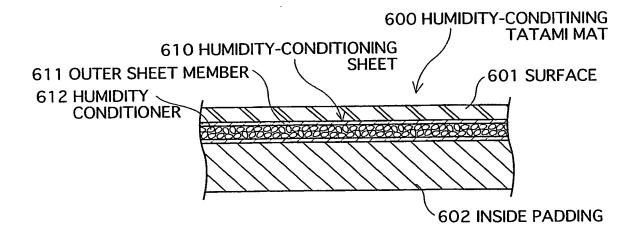


FIG.24A

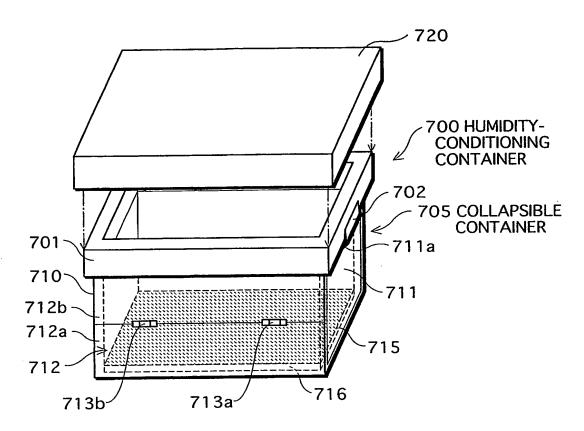
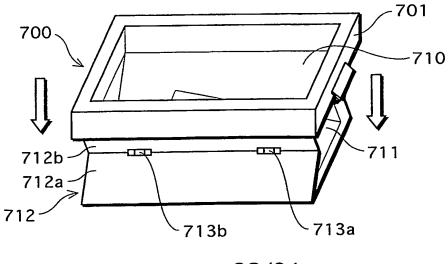


FIG.24B



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FIG.25A

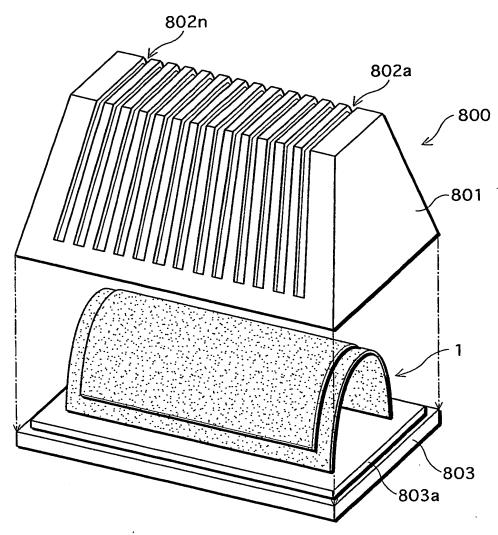


FIG.25B

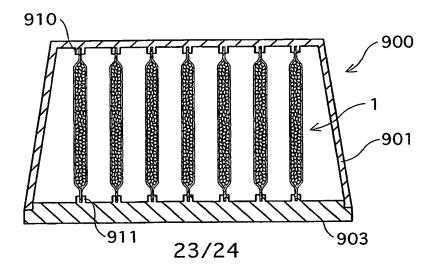


FIG.26A

STRUCTURE OF CONVENTIONAL ABSORBENT MATERIAL

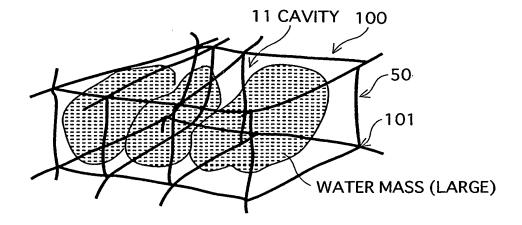


FIG.26B

DIFFICULT TO DISCHARGE WATER

